

## ABSTRACT

An apparatus and method of controlling a stepper motor, includes a torque calculator to calculate torque operated on the stepper motor and to output to a controller a driving current setting signal corresponding thereto. The controller outputs to a driver a control signal to apply variable driving current based on the driving current setting signal to the stepper motor. The driver drives the stepper motor based on the control signal inputted from the controller. Accordingly, overheating and inaccurate operations of a control IC (the controller) and the stepper motor may be prevented, and driving characteristics such as low power consumption, low vibration and low noise of the stepper motor may be improved.